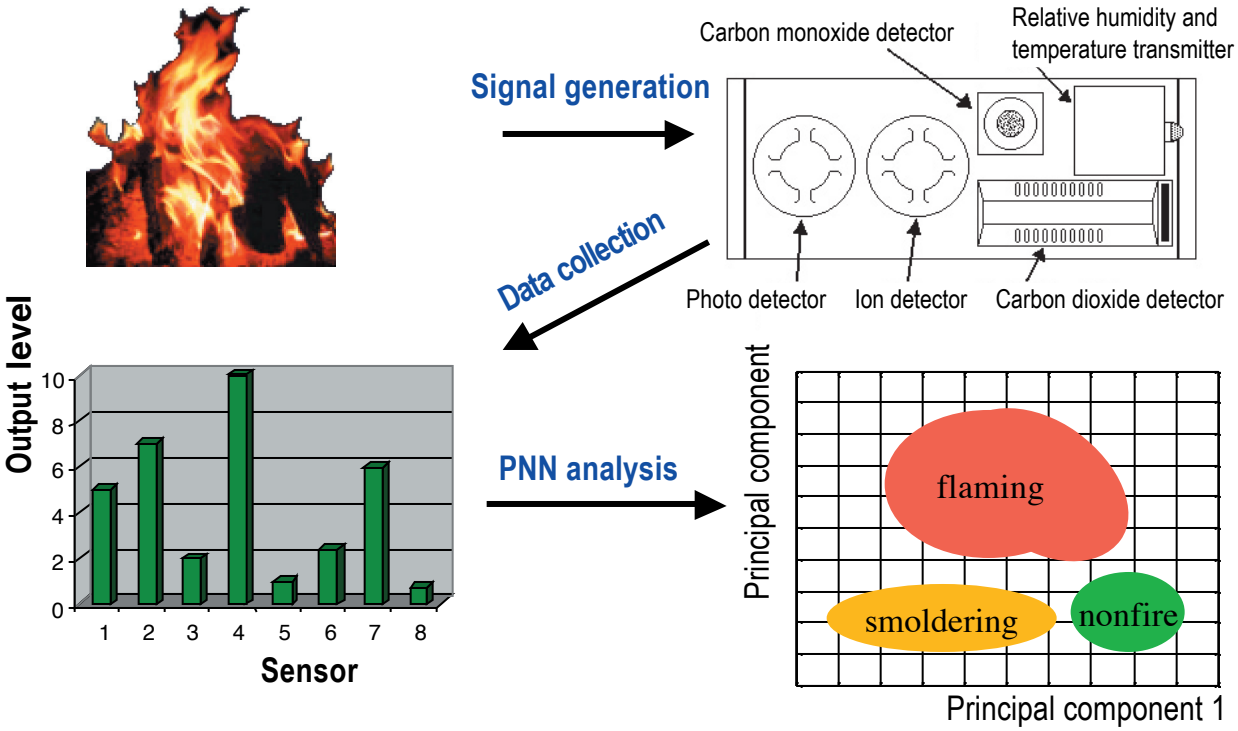
Method for Analyzing Signal Inputs Using Probabilistic Neural Networks



DESCRIPTION:

The Naval Research Laboratory has developed and patented an algorithm for analyzing signal inputs using probabilistic neural networks. Using an array of partially selective sensors allows for generating a "fingerprint," which is then applied to the neural network.

ADVANTAGES/FEATURES:

- Rapid response time
- Fewer "false positives"
- Outlier rejection
- Training set optimization minimizes data set size and maximizes speed
- Operates on integrated processor or PC
- Patent pending: application # 09/885255; Navy case # 83,367

APPLICATIONS:

- Fire detection
- Chemical detection
- Biological detection
- Unexploded ordnance detection

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